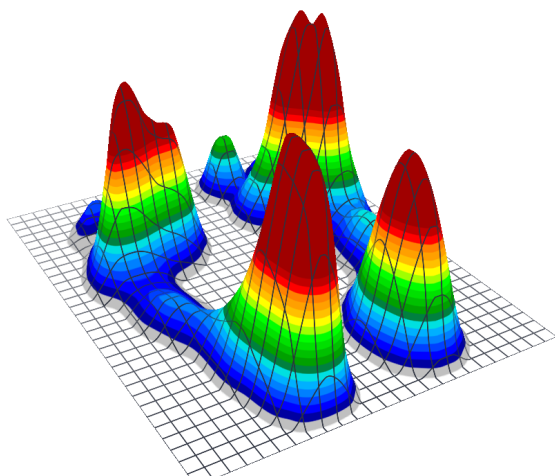


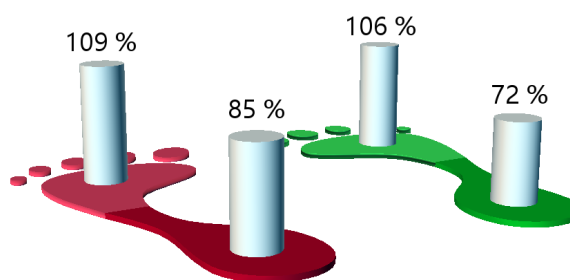
Pressure plot 3d

Stance, average



Force forefoot/backfoot

Max load (% of body weight)

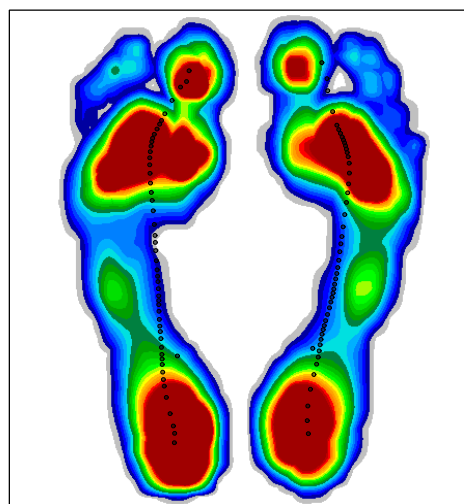
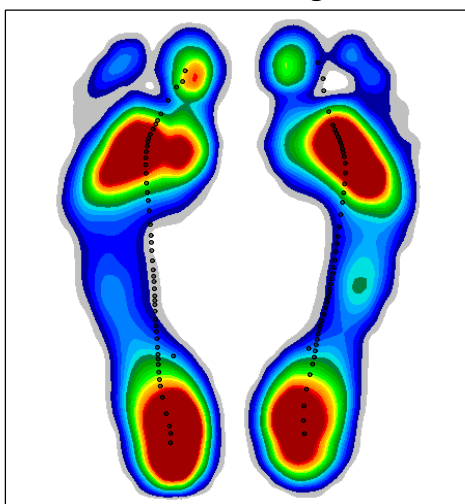
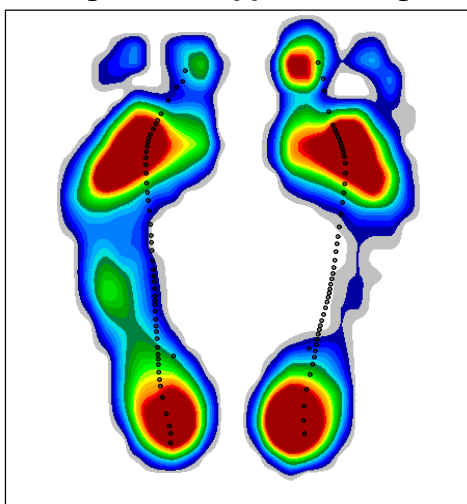


Pressure plots

Single limb support, average

Stance, average

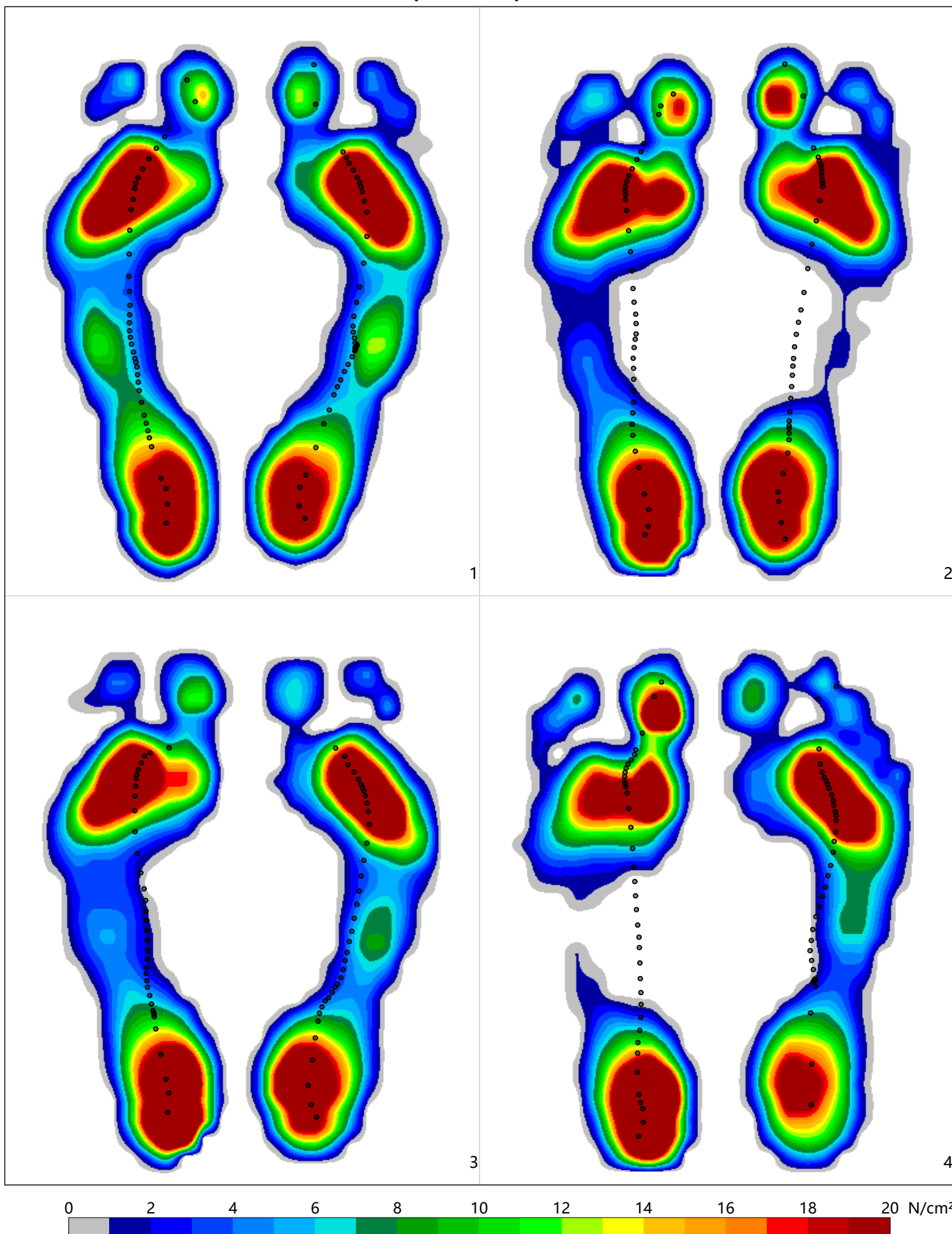
Stance, maximum



Fakulta sportovních studií Gait Report

Person: Anežka Pásková, 25.12.2004
Record: 28.11.2024 12:35, Gait Analysis FDM, chuze

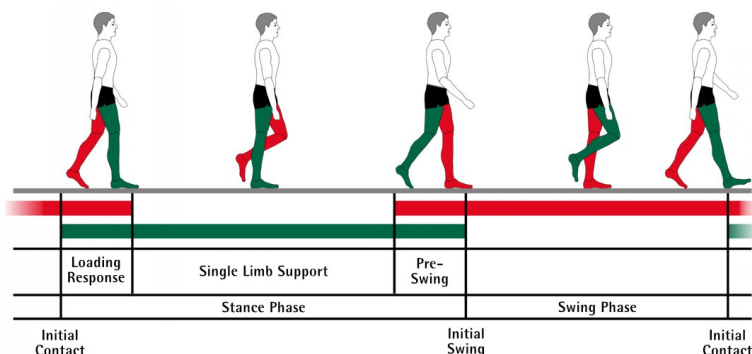
Separate footprints



Fakulta sportovních studií Gait Report

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Gait parameters



Geometry

Foot rotation, degree	L	3,0±0,0	-9°	9°
	R	7,8		
Step length, cm	L	65		140 cm
	R	63		
Stride length, cm		128		140 cm
Step width, cm		7±2		

Phases

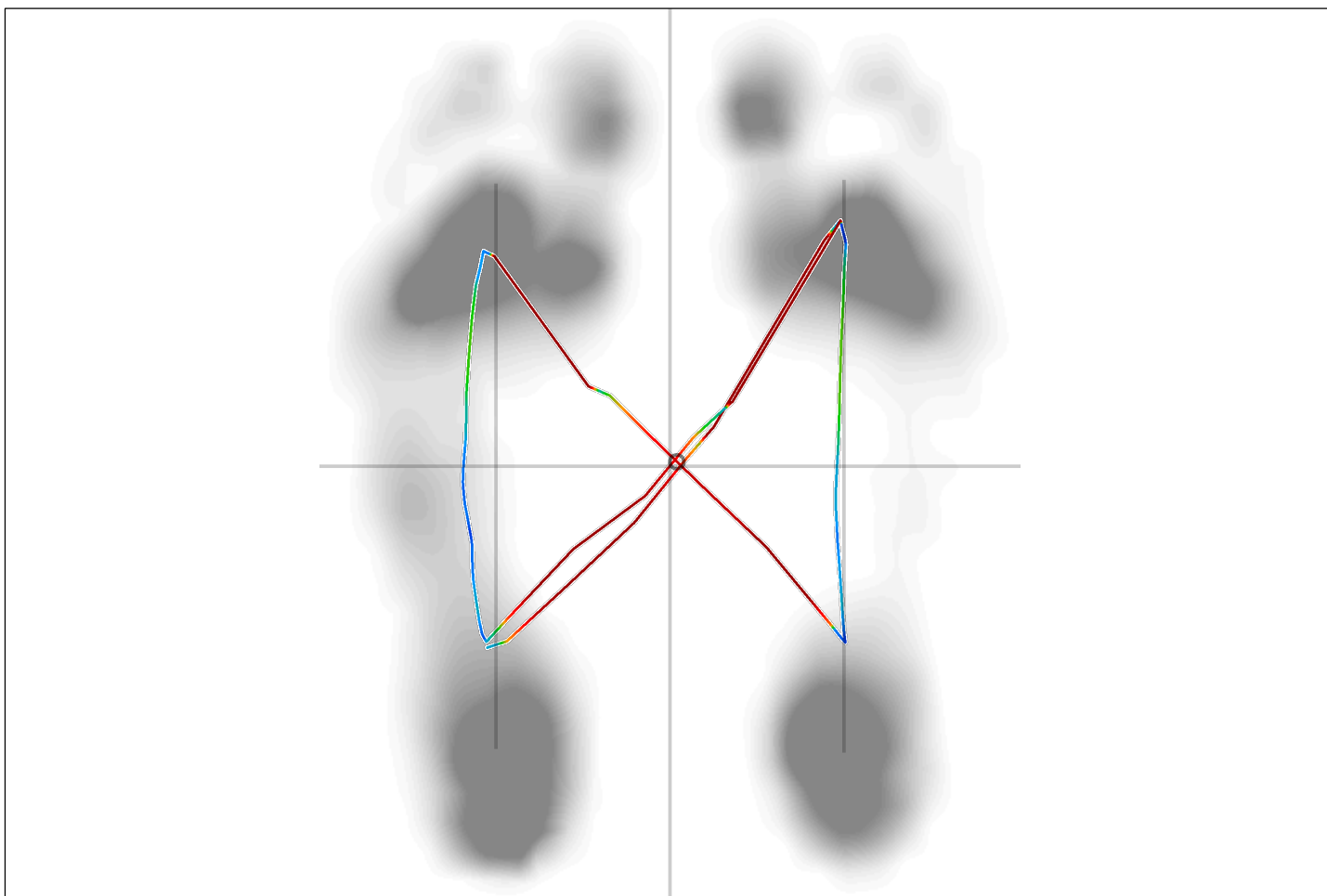
Stance phase, %	L	62,3±0,0		100 %
	R	62,3		
Load response, %	L	11,5		
	R	13,1		
Single limb support, %	L	37,7		
	R	37,7		
Pre-Swing, %	L	13,1±0,0		
	R	11,5		
Swing phase, %	L	37,7±0,0		
	R	37,7		
Double stance phase, %		24,6±0,0		

Timing

Step time, sec	L	0,62		1.3 sec
	R	0,60		
Stride time, sec		1,22		1.3 sec
Cadence, steps/min		98±0		110 steps/min
Velocity, km/h		3,8±0,0		4 km/h

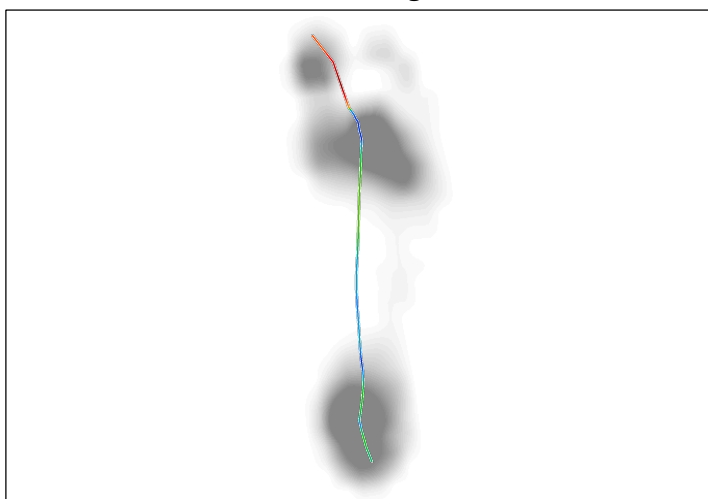
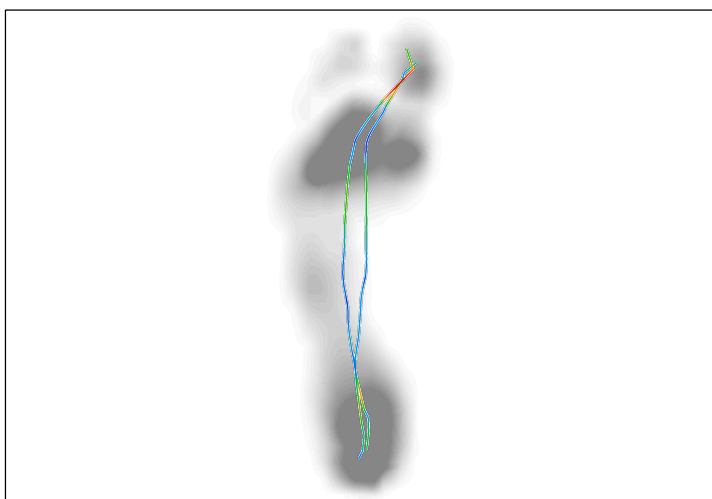
COP analysis

Butterfly



Gait line left

Gait line right

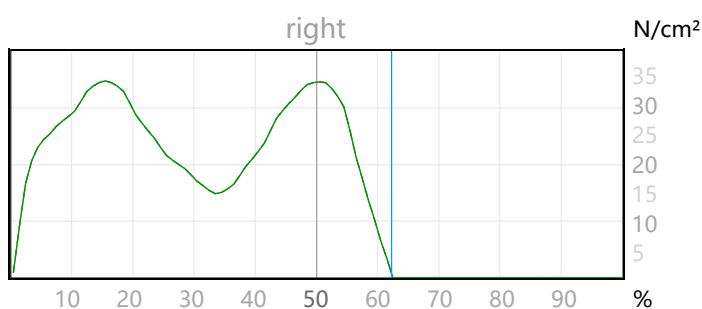
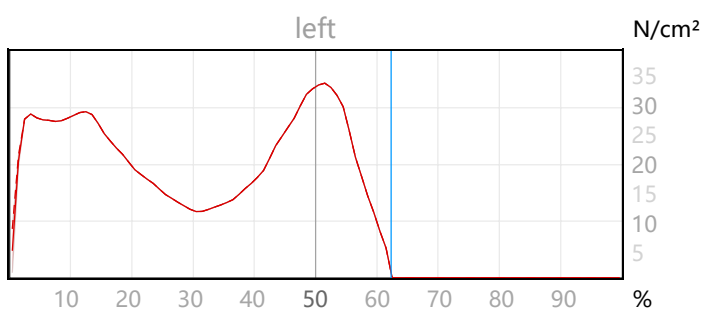


Butterfly parameters

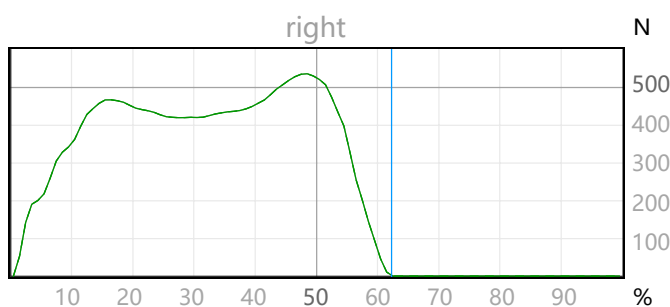
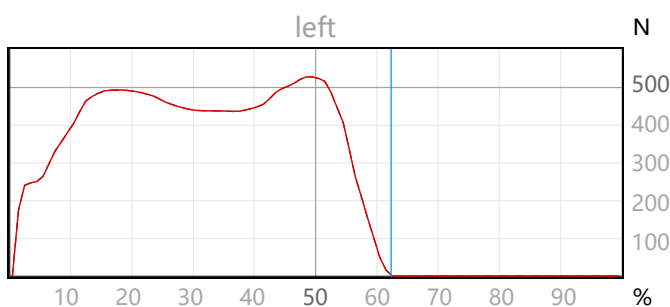
Length of gait line, mm	L	206,0±0,5	<div style="width: 86%; background-color: red;"></div>	240 mm
	R	221,3±0,0	<div style="width: 92%; background-color: green;"></div>	
Single limb support line, mm	L	109,4	<div style="width: 46%; background-color: red;"></div>	
	R	120,6	<div style="width: 50%; background-color: green;"></div>	
Ant/post position, mm		1,3±0,8	<div style="width: 1%; background-color: blue;"></div>	-120 mm to 120 mm
Lateral symmetry, mm		2,0±0,8	<div style="width: 8%; background-color: blue;"></div>	-21 mm to 21 mm
Max gait line velocity, cm/sec		123,2	<div style="width: 100%; background-color: blue;"></div>	

Force and pressure

Pressure curves



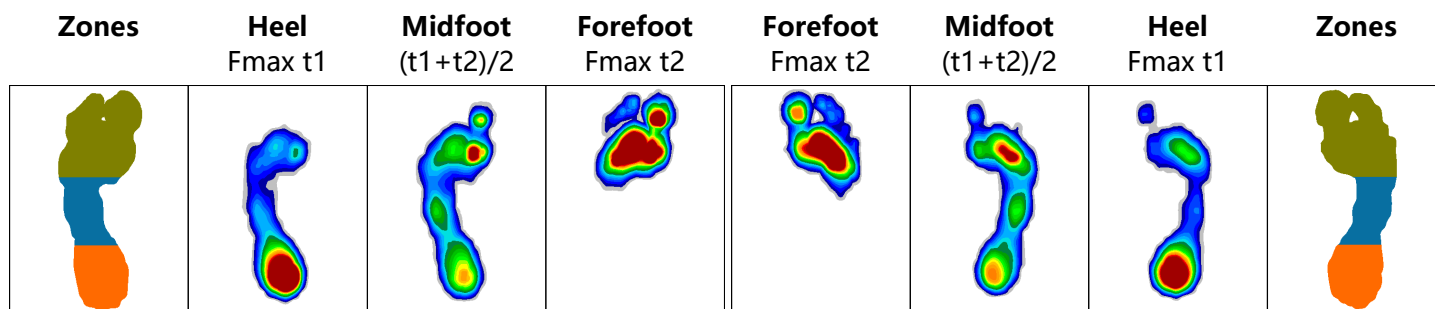
Force curves



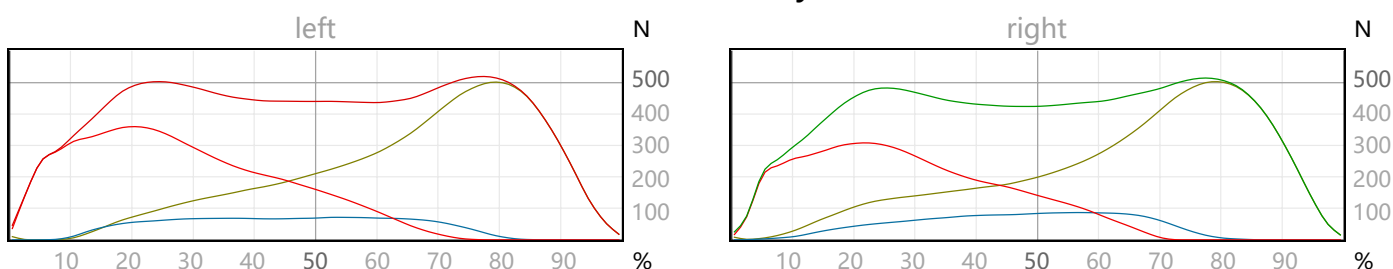
Force parameters

Maximum force1, N	L	492,4	<div style="width: 82%;"></div>	600 N
	R	466,4	<div style="width: 78%;"></div>	
Time maximum force1, %	L	17	<div style="width: 17%;"></div>	100%
	R	16	<div style="width: 16%;"></div>	
Maximum force2, N	L	527,5	<div style="width: 88%;"></div>	600 N
	R	535,6	<div style="width: 89%;"></div>	
Time maximum force2, %	L	48	<div style="width: 48%;"></div>	100%
	R	48	<div style="width: 48%;"></div>	

Three foot zone analysis



Force overlay



Load change

Time change heel to forefoot, sec	L	0,32±0,03		0.4 sec
	R	0,29±0,06		
Time change heel to forefoot, %	L	42,7±4,7		100%
	R	39,1±7,8		

Maximum force, N

Forefoot	L	518,2±6,1		600 N
	R	506,9±24,7		
Midfoot	L	79,7±49,1		
	R	95,9±51,2		
Heel	L	363,7±35,2		
	R	321,8±27,0		

Maximum pressure, N/cm²

Forefoot	L	33,4±3,2		60 N/cm ²
	R	40,9±7,7		
Midfoot	L	7,4±2,6		
	R	9,0±2,3		
Heel	L	38,6±4,4		
	R	28,5±4,6		

Time maximum force, % of stance time

Forefoot	L	76,1±3,8		100%
	R	76,1±1,9		
Midfoot	L	49,6±17,5		
	R	52,6±8,9		
Heel	L	18,0±1,4		
	R	17,4±6,0		






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Contact time, % of stance time

Forefoot	L	88,0±2,2	 100%
	R	90,8±3,9	
Midfoot	L	74,7±5,1	
	R	77,6±4,4	
Heel	L	66,7±3,8	
	R	64,8±3,8	